



AMERICAN SURGICAL INSTRUMENT REPAIR, LLC



# Device Repair Catalog

VA



U.S. Department of Veterans Affairs

Distributed by



# ECAT Teaming Agreement

## Teaming Agreement Summary with STERIS Instrument Management Services

American Surgical Instrument Repair, LLC (ASIR), a Service-Disabled Veteran-Owned Small Business (SDVOSB) product & service distributor has subcontracted with STERIS IMS on the Defense Logistics Agency (DLA) ECAT Contract. This partnership will enable a direct, streamlined purchase option to our Federal Government Customers through an SDVOSB company.

- ▶ **Contract:** SPE2DH-20-D-0045
- ▶ **Contract Term:** July 31,2020 through July 30, 2025

### Contracted Repair Services:

- ▶ **Flexible Endoscopes:**
  - Small & Large Diameter
  - Video & Fiber
- ▶ **Rigid Endoscopes:**
  - da Vinci Si® Robotic Endoscopes
  - Olympus® EndoEYE® Video Laparoscopes
- ▶ **Video Equipment**
- ▶ **General Instrumentation: On-Location:**
  - Open Market Stainless Maintenance includes service for all types of surgical tray instrumentation



### WE WORK TOWARD TOTAL CUSTOMER SATISFACTION.

We use parts/components manufactured from medical grade materials in accordance with OEM requirements.

Our people are highly-skilled and undergo continuous training on the latest techniques, materials, and technology.

Our replacement part validation and our repair processes are dictated by our stringent, and constantly audited, quality system. STERIS IMS is certified to ISO 13485:2016.



ECAT offers medical items "at an average of 20 percent lower than commercial list prices."\*

- Defense Logistics Agency

### CONTACT:

**Customer Care**  
1.614.203.8211

**Email:**  
info@american-surgical.com

STERIS IMS has dozens of Continuing Education activities that cover all devices we service.

Shaun Eagan, Medical's 'ECAT' program helps government partners spend less, Defense Logistics Agency website, May 30, 2019, [www.dla.mil/AboutDLA/News/NewsArticleView/Article/1861704/medicals-ecat-program-helps-government-partners-spend-less/](http://www.dla.mil/AboutDLA/News/NewsArticleView/Article/1861704/medicals-ecat-program-helps-government-partners-spend-less/)



da Vinci Si is a registered trademark of Intuitive Surgical, Inc.  
Olympus and ENDOEYE are registered trademarks of Olympus Corporation.



# Device Repair Catalog

AMERICAN SURGICAL INSTRUMENT REPAIR IS HERE TO HELP ENSURE THAT YOUR SURGICAL DEVICES ARE PROCEDURE READY, SO THAT YOUR FOCUS CAN BE ON THE PATIENT.

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CONTACT YOUR AMERICAN SURGICAL ACCOUNT MANAGER FOR MORE INFORMATION TODAY.

**1.614.203.8211**





## A-Z Repairs and Service

Your goal - and ours - is to keep your facility running smoothly at all times. Here is a sampling of surgical devices, instrumentation and other medical equipment we service.

### A

- Acetabular Reamers
- Air Hoses
- Albarran Bridge
- Anspach® Medical Systems
- Armboards
- Arthroscopes
- Arthroscopic Instruments

### B

- Batteries
- Bipolar Coag Forceps
- Biopsy Forceps
- Bipolar Cords
- Bone Mills
- Bookwalter® Retractor Systems
- Bronchoscopes

### C

- Camera Heads / Couplers
- Case Carts
- Cast Cutters
- Castroviejo Forceps
- Choledochoscopes
- Color Coding
- Colonoscopes
- Cranial Drills
- Cryoprobes
- Cryostat Knives
- Curettes
- Cysto Instruments
- Cystoscopes

### D

- da Vinci® Robotic Scopes
- Dental Handpieces
- Dermatomes
- Diamond Knives
- Drills
- Duodenoscopes

### E

- Electrosurgical Cords
- Olympus® Endobronchial Ultrasound (EBUS)
- Olympus® Endoscopic Ultrasound (EUS)
- Electro Surgical Cords
- ENT Scopes
- Enteroscopes

### F

- Fiberoptic Cables
- Fiberoptic Retractors
- Flexible Cystoscopes
- Flexible Scopes (all types)
- Flexible Ureteroscopes
- Foot Pedals

### G

- Gastrosopes
- Graspers
- Greenberg® Surgical Retractor Sets
- Griesehaber Instruments

### H

- Headlights and Cords
- Headrests
- Stryker® Helmets
- Hysteroscopes

### I

- Integra® Positioning Devices
- Intubation Scopes
- Irrigators
- IV poles

### K

- Kleppinger Assemblies

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Bookwalter is a registered trademark of Johnson & Johnson Corporation.  
da Vinci is a registered trademark of Intuitive Surgical, Inc.

### L

- Laparoscopes
- Laparocams
- Laparoscopic Instruments
- Laryngoscopes & Blades
- Lecturescopes
- Leg Holders
- Leg Positioning Stirrups

### M

- Mammary Retractors
- Manometers (analog/mercury)
- Mayo Stands
- Micro Instruments
- Midas Rex® Pneumatic Tools
- Monopolar Cords

### N

- Nasal Speculums
- Nasopharyngolaryngoscopes
- Needle Holders
- Nephroscopes

### O

- Obturator
- Oscillating Saws
- Osteotomes

### P

- Pedi-Colonoscopes
- Phaco Handpieces
- Pincutters
- Power Cables
- Power Drills
- Power Drivers
- Power Equipment

Olympus is a registered trademark of the Olympus Corporation.  
Greenberg is a registered trademark of Melbourne I. Greenberg, M.D.  
Midas Rex is a registered trademark of Midas Rex Pneumatic Tools, Inc.

### R

- Rasps
- Reamers
- Retractors
- Rhinolaryngoscopes
- Rigid Scopes
- Robotics
- Rolling Stock
- Rongeurs

### S

- Sarns® Saws
- Scissors
- Scope Holders
- Scope Towers
- Shavers
- Shoulder Positioning Systems
- Suction Tips
- Sigmoidoscopes
- Sinus Scopes
- Skin Graft Meshers
- Sterilizer Racks/Carts
- Stirrups

### T

- Transesophageal Echocardiogram (TEE) Probes
- Trocars & Sleeves

### U

- Ultrasound Probes
- Ultrasound Scopes
- Ureteroscopes

### V

- Verathon® Glidescope
- VerifEye® Borescope
- Video Scopes

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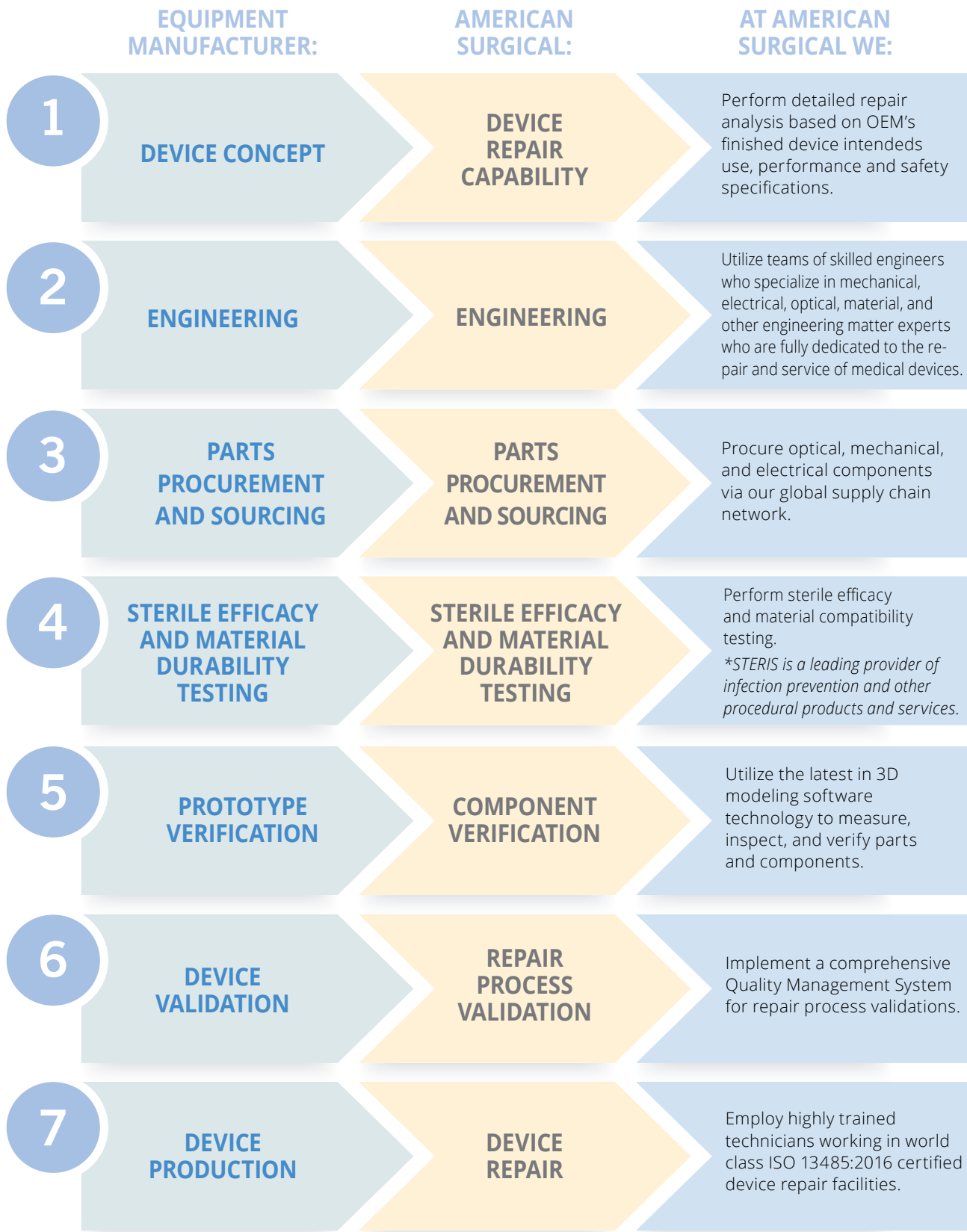
# SERVICE

## SAME QUESTIONS, DIFFERENT ANSWERS.

	Manufacturer Says...	American Surgical Says...	Hospital CFO Says...	Surgeon Says...
<b>UPGRADES</b>	You need to upgrade equipment every 3 to 5 years.	You need to effectively maintain the life of your equipment. Let us help you.	We have to extend the life of our equipment and make it last as long as feasible.	It is imperative that my surgical devices are in top working order and ready for surgery.
<b>QUALITY</b>	Third parties don't have adequate quality systems.	We perform all instrument repairs in accordance with ISO 13485:2016 certified Quality Management System.		
<b>TRAINING</b>	Our technicians and engineers undergo a formal training program.	Our technicians and engineers undergo a formal training program. (Come tour our service facilities.)	We have no choice but to avoid high cost repairs.	
<b>PARTS</b>	You have to use original manufacturer parts.	Many of our parts are purchased from the manufacturer's suppliers.		
<b>EXCLUSIVE PARTS</b>	We don't sell parts to third party companies.	We machine complex high-end parts for a number of manufacturers. (Come visit our machining facility.)	We need our equipment covered under a comprehensive service plan.	
<b>WARRANTY</b>	Using third parties will void your warranty.	We offer comprehensive risk-free service plans as well as a one-year warranty.		
<b>IFUs</b>	It is your responsibility to follow the reprocessing instructions in the IFUs for each device.	We will help you care for and properly handle your equipment and adhere to OEM's IFUs.	It is imperative we follow IFU guidelines for caring / handling equipment in order to adhere to regulatory standards.	
<b>REPROCESSING</b>	Once repaired by a 3rd party, we can no longer validate that your device can be reprocessed as designed.	Our repair activities are compatible with manufacturer's instructions for reprocessing the reusable devices.	We are responsible for ensuring that we are properly reprocessing our equipment.	



# American Surgical Device Repair Methodology







1

**CONCEPT**

A dedicated team of specialists procure the newest generation devices for evaluation and development of repair capabilities.

2

**ENGINEERING**

We have an experienced team of engineers focused on the optical, mechanical, electrical, and material break down of devices to their component levels. Drawings are created for every repaired component. State-of-the-art tools and software are used to capture precision measurements to meet repair parameters and tight tolerances for every necessary replacement component.

3

**PROTOTYPE PARTS PROCUREMENT AND MANUFACTURING**

Many unique parts are manufactured and inventoried by our in-house precision manufacturing team. We operate a number of CNC machines that manufacture parts. We have also manufactured components for medical and aerospace industries.

4

**VERIFICATION**

We start by creating computerized working models of the device to validate functionality. From there, we develop and manufacture custom tools, jigs, and fixtures to ensure precision component replacement and repair accuracy.

5

**STERILE EFFICACY AND MATERIAL DURABILITY TESTING**

American Surgical is able to repair a device with materials, adhesives, and components. We then validate sterile efficacy / processing through independent laboratories to ensure devices can be sterilized/high level disinfected in accordance with OEM's IFU.

6

**REPAIR PROCESS VALIDATION**

Verification and validation of all parameters of the device including optics, mechanical, electrical and performance.

7

**REPAIR COMPETENCY**

American Surgical trains our repair specialists and launches the repair capability to the market. We support the new capability with loaners and rapid replace programs when applicable.

# Engineering Machining Manufacturing

Professional Services  
Supporting Repair

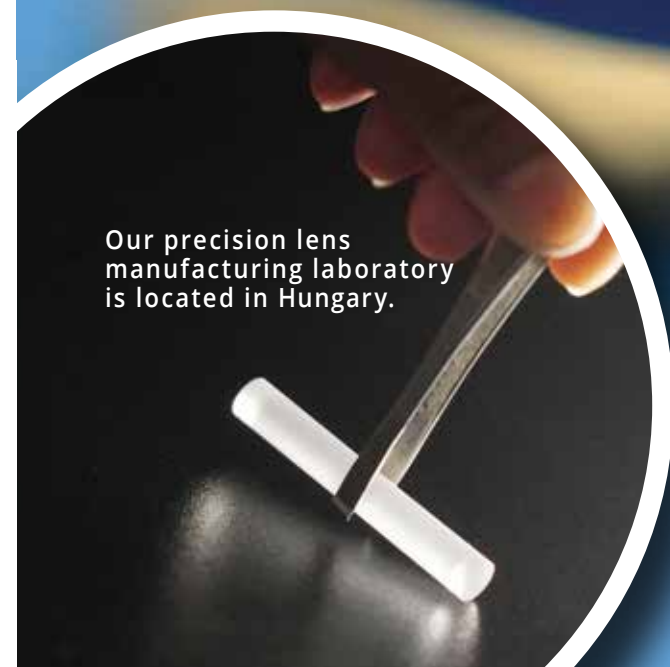


## WE WORK TOWARD TOTAL CUSTOMER SATISFACTION.

We are Customer service focused through every step of the repair capability development and machining process.

We use high-quality raw materials and vendors.

Our people are highly-skilled and undergo continuous training on the latest techniques, materials, and technology.



Our precision lens manufacturing laboratory is located in Hungary.



# Rigid Ready

## Rigid Endoscope Maintenance and Restoration

Endoscope images should be clear so your surgical team's full focus can be on the procedure at hand. Rigid Ready is a comprehensive program to decrease downtime and functionality of these critical instruments.

The repair of an endoscope is backed by our one-year warranty and the American Surgical Rigid Scope Guarantee.

Pricing options include time and materials, flat rate agreements are available.



American Surgical offers a Rapid Replace program for higher demand endoscope models. The program significantly reduces repair turn time. Features include:

- Next day delivery of a repaired endoscope replaces your damaged endoscope
- Cost-effective, set pricing to help you manage your operational budget
- One-year warranty

### STRYKER®

Arthroscopes	
502-104-010	502-704-030
502-104-030	502-904-030
502-104-070	502-904-070
502-427-030	502-204-030
502-477-031	

Cystoscopes	
502-104-010	502-477-031
502-104-030	502-527-030
502-104-070	502-704-030
502-427-030	502-904-030
	502-904-070

Laparoscopes	
502-103-030	502-540-045
502-457-030	502-555-010
502-503-010	502-555-030
502-503-030	502-585-010
502-205-045	502-585-030
502-457-010	502-859-010
502-539-010	502-859-030
502-539-030	502-859-045
502-539-045	502-860-010
502-540-010	502-860-030
502-540-030	

Needlescopes
502-729-000
502-729-030
502-729-012

Small Joint
502-426-030
502-626-030

### KARL STORZ®

Arthroscopes	
28721BWA	7210CA
28731AWA	7230AA
28731BWA	7230BA
28731CWA	7230BWA
7210AA	7230CA
7210BA	7230CWA
7210BWA	

Cystoscopes	
26007AA	27005BA
26007BA	27005CA
26105BA	27005FA
26105FA	28164AA
27005AA	28164BA

Laparoscopes	
26003AA	26006BA
26003BA	26046AA
26003FA	26046BA
26006AA	26046FA

Needlescope	
26020FA	27020BA
26120BA	27020FA
27017AA	7218BSA
27018BA	

SMITH & NEPHEW®	
72201501	
72202087	
72202110	
72202111	
72202111	
72202959	
72202976	

ARTHREX®	
AR-3350 4030	
AR-3350 4070	
AR-3355 4030	
AR-3355 4070	

CIRCON ACMI®	
M3/0A GOLD	
M3/12A GOLD	
M3/30A GOLD	
M3/70A GOLD	
MR-6A	
MR-6LA	

CONMED LINVATEC®	
HD4300	
HD5530	
HD5500	

OLYMPUS®	
A1931A	
A1932A	
A1933A	
A22001A	
A22002A	
A22003A	

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 ACMI is a registered trademark of ACMI Corp.  
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 Guidant is a registered trademark of Guidant Corporation.  
 Hologic is a registered trademark of Hologic Inc.  
 Linvtec is a registered trademark of the ConMed Corporation.  
 Olympus is a registered trademark of Olympus Corporation.  
 Smith & Nephew is a registered trademark of Smith & Nephew PLC.



# Video Laparoscope Service

Featuring Olympus® ENDOEYE® Video Laparoscopes

Surgical image quality and reliability is crucial to ensuring optimal OR operations.

Model shown is an Olympus 3D ENDOEYE LTF-190-10-3D Video Laparoscope.



## MODELS OF OLYMPUS ENDOEYE VIDEO LAPAROSCOPES WE SERVICE:

Standard Definition		HD		HD II (190 Series)		3D HD II (190 Series)
A50021A	A50003A	WA50011A	WA50015L	WA50050A	WA50042A	LTF-S190-10-3D (Flex)
A50023A	WA50021B	WA50013A	LTF-VH (Flex)	WA50052A	LTF-S190-10 (Flex)	
A50001A	WA50023B	WA50013L		WA50040A	LTF-S190-5 (Flex)	
WA50003L	LTF-VP (Flex)					

**SIX-MONTH NO-FAULT / NO-PAY GUARANTEE**

If for some reason your flex tip video laparoscope's bending rubber requires additional repair within six months of original repair date, American Surgical will perform this repair at no additional charge.



Olympus and ENDOEYE are registered trademarks of Olympus Corporation.



The most delicate part of the EndoEye® video laparoscope is the distal tip of the scope, where the image is created. Protecting this area from any contact or impact is critical to maintaining the integrity of the scope.

## Olympus® ENDOEYE® Video Laparoscope — 4 Level Service Program

### LEVEL I

#### MINOR EXTERNAL REPAIRS

- Objective and light guide windows clean / polish
- Switch boot replacements
- Minor universal cord repairs
- Distal fiber polishing
- Minor shaft repairs
- Electrical connector contact clean / polish
- Bending rubber replacement
- Objective glue refurbishment



### LEVEL II

#### MINOR INTERNAL REPAIRS

- Fluid/moisture removal
- Optical shaft debris removal
- Light guide prong replacements
- Switch unit replacements
- Internal fiber clean/polish
- Angulation system adjustments
- Bending section mesh replacement



### LEVEL III

#### MAJOR REPAIRS

- Objective system repairs
- Shaft and light fiber replacement
- Video cable replacement
- Light guide bundle replacement
- Connector housing and control body replacements
- Angulation system overhaul
- Bending section repair / replace

### LEVEL IV

#### ELECTRONIC SYSTEM REPAIRS

- Video card
- Image sensor
- Optical filter system
- Sensor flex ribbon / cable



# Camera Repair

## Surgical Camera and Coupler Service

Video cameras are critical to the success of any MIS procedure. When surgical cameras require repair, American Surgical rapidly returns them to functional, safe and effective conditions.

### Camera repair services include:

- ▶ Laser welding of autoclavable cameras
- ▶ Repair of HD cameras
- ▶ Cable replacements

### WE CAN REPAIR THE FOLLOWING MAKES AND MODELS:

CAMERAS		COUPLERS		
Manufacturer	Model	Manufacturer	Model	
Stryker®	1588	Stryker®	1588	
	1488		1488	
	1288		1288	
	1188		1188	
	1088		1088	
	988		988	
	888		888	
	882		882	
Karl Storz®	Image1®	Karl Storz®	202000-43	
	Telecam®		30MM	
	Tricam			
Olympus®	190	Olympus®	A10-TX	
	OTV-S7		AR-SX12E	
	OTV-S6		ART-10EA	
	OTV-S5		AR-TXX	
	OTV-S4		MH-999E	
Smith & Nephew®	470H	Smith & Nephew®	721092	
	460H			
	560H			
Dyonics®	370	Dyonics®	720XXXX	
	350		6900443-11	
	337		4533	
	560H		4464	
	ED-3		CONMED® Linvatec®	5000XXXX
	D3-E			C3125
Circon ACMI®	4.2 MV-100XX	CONMED® Linvatec®	C3127	
	6.2 MV-105XX			
Arthrex®	HD3			

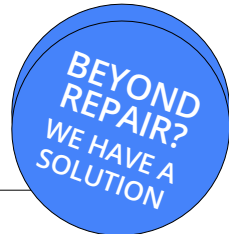
Stryker is a registered trademark of the Stryker Corporation.  
Karl Storz, Image1, and Telecam are registered trademarks of Karl Storz GmbH & Co.  
Olympus is a registered trademark of Olympus Corporation.  
Smith & Nephew is a registered trademark of Smith & Nephew PLC.



Dyonics is a registered trademark of Smith & Nephew, Inc.  
ACMI is a registered trademark of ACMI Corp.  
Arthrex is a registered trademark of Arthrex Inc.  
Conmed and Linvatec are registered trademarks of ConMed Corporation.

# Light Cables

## Repair or Replace - We Have You Covered



In addition to our full capability repair program, we offer a light cable product line compatible with virtually all endoscopes. American Surgical offers light cables matching the most popular brands in the market.

### Premium Light Cables with Fused Fiber Optics

- ▶ **Optimal Lighting**
  - Designed to deliver maximum light when coupled to a medical grade fiberoptic light source.
  - Cables are offered with bundle diameters ranging from 3.0 mm to 5.0 mm to match the bundle of the instrument to provide optimal lighting.
- ▶ **Ultra-Grip Handle**
  - A patented ergonomic design feature that provides added strain-relief.
  - Increases durability and ease of cable removal from the light source.
- ▶ **Coated Cable**
  - Skillfully manufactured with medical grade materials.
  - We offer eight different opaque colors of medical grade silicone sheathing so that each department can have its own unique identifier.

Cords are 10 feet long in length.

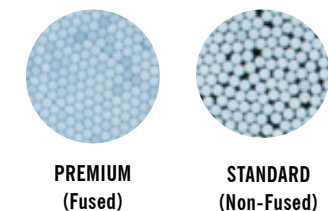
### PREMIUM



PREMIUM ULTRA GRIP HANDLE

Product No.	Cross Reference
PRM-STR-064	Stryker® 233-050-064
PRM-STR-065	Stryker 233-050-065
PRM-OLY-32A	Olympus® WA03200A
PRM-STZ-5NE	Karl Storz® 495NE
PRM-STZ-5ND	Karl Storz 495ND
PRM-SMN-329	Smith&Nephew® 7208329
PRM-CMD-050	Linvatec® NL1050

### Light Cable Fibers: Fused vs. Non-Fused



PREMIUM (Fused)

STANDARD (Non-Fused)

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Linvatec is a registered trademark of ConMed Corporation.  
Smith&Nephew is a registered trademark of Smith and Nephew plc.



# Luxtel® Replacement Lamps and Lamp Modules

Keeping Surgery Bright



The brilliant choice in imaging lighting

Brighten your Operating Room with Luxtel surgical lighting products including premium light cables, lamps, and modules.

- ▶ High quality lighting backed with great value lamps and or modules to brighten most major manufacturer light sources.
- ▶ Choose the lamp only or the complete module.
- ▶ Ease of ordering through your American Surgical Account Manager or American Surgical Representative.



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## LIGHT SOURCE LAMP AND MODULE ORDER GUIDE



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 Olympus and CLV are registered trademarks of Olympus Corporation.  
 Pentax is a registered trademark of Hoya Corporation.  
 Smith&Nephew is a registered trademark of Smith&Nephew PLC  
 Karl Storz is a registered trademark of Karl Storz GmbH & Co.  
 Stryker is a registered trademark of the Stryker Corporation.  
 Richard Wolf is a registered trademark of Richard Wolf GmbH.  
 Zeiss is a registered trademark of CARL ZEISS AG CORPORATION

Manufacturer	Manufacturer Model	Lamp Only	Lamp & Module	
BFW	Maxenon Xi300	CL300BF	CL1428	
	MID 3010	CL300BF	CL1428	
ConMed® / Linvatec®	LIS8430	CL300BF	CL1426	
	LIS8180	CL300BF	CL1426	
	LIS8170	CL300BF	CL1426	
	LS7700	CL1579	CL1752	
Cuda®	Elite 300	CL300BF	CL1736	
	Elite 180	CL175BF	CL1691	
Luxtec®	LX300	CL300BF	NA	
	6000	CL300BF	NA	
	7000	CL300BF	NA	
	9300XDP	CL300BF	CL1739	
	9300XSP	CL300BF	CL1739	
	9300	CL300BF	CL1401	
	9175	CL175BF	CL1402	
Olympus®	CLV®-190	CL1854	NA	
	CLV®-180	CL1846	NA	
	CLVS	CLV®-S40	CL300BF	NA
	CV-1	CLV®-U40	CL300BF	NA
	CLV®-10	CLV®-U60	CL300BF	NA
	CLV®-F-10	CLV®-160	CL300BF	NA
	CLV®-20	CLV®-260	CL300BF	NA
	CLV®-U20	CLV®-260SL	CL300BF	NA
	CLV®-S30	ILX6300	CL300BF	NA
Pentax®	EPKi	CL1576	NA	
	EPM3500	EPM3300	CL300BF	NA
	EPM3000	LX3000	CL300BF	NA
	EPM3300		CL300BF	NA
Smith&Nephew®	500XL	NA	CL1710	
Smith&Nephew®/Dyonics®	300XL	CL300BF	CL1336	
Karl Storz®	201320 20	CL175BF	NA	
	201331 20	CL300BF	NA	
Stryker®	X6000	CL300BF	CL1287	
	X7000	CL1492	CL1571	
Sunoptic Surgical®	Titan 300	CL300BF	CL1635	
	Titan 180	CL175BF	CL1691	
Richard Wolf®	5131, 5151XE	CL300BF	CL1338	
Zeiss®	SUPERLUX® 300	CL300BF	CL1426	
	SUPERLUX® 301	CL300BF	CL1426	
	SUPERLUX® 175	CL175BF	CL1429	

# Video Laryngoscope Repair

Featuring Verathon® Glidescope® Diagnostic Equipment

Video laryngoscopes provide visualization during tracheal intubation. The surgical team needs these high resolution devices to function properly in order to provide patient controlled mechanical ventilation, as well as the removal of foreign bodies from the airway. When these devices go out for repair, the surgical team needs them back quickly.



## WE OFFER TWO LEVELS OF REPAIR:

WE OFFER TWO LEVELS OF REPAIR:		TYPICAL SAVINGS RANGE
Minor Repair	Minor crack repair, window reseal, connector contact cleaning, soak cap and tether replacement	<b>25% to 80% savings</b>
Major Repair	Baton head repair, new video cable, cable boots replaced, PCB repair, connectors replaced	

## SUPPORTED MODELS INCLUDE:

Verathon® AVL Series Single Use Stat System	0570-0312	Pediatric Video Baton 1-2
	0570-0313	Adult Video Baton 3-4
	0570-0306	Pediatric Video Baton 1-2
	0570-0307	Adult Video Baton 3-4
Verathon® VL Series Single Reusable System	0574-0115	GVL3 Video Laryngoscope
	0574-0116	GVL4 Video Laryngoscope
	0574-0117	GVL5 Video Laryngoscope
	0574-0118	GVL2 Video Laryngoscope



# Ophthalmic Equipment

## Instrument set repair

Your surgical team's full focus should be on the vision-related procedure at hand and properly functioning equipment. American Surgical offers ophthalmic equipment repair to decrease downtime and maintain the OEM's functionality of these critical instruments.

## FEATURES INCLUDE:

- ▶ 24 to 48-hour turnaround ensures minimized delays related to set functionality and availability.
- ▶ We sell Pre-Owned Equipment, offer Trade-in Value, and a Buy Back program for ophthalmic devices.
- ▶ STERIS is an industry expert of infection prevention and other procedural products and services.

Repair available for the most common makes and models of phaco handpieces from the following manufacturers:

Alcon	Chiron	OMS
AMO	Storz® Ophthalmics by Bausch & Lomb	STAAR

Repair available for the most common makes and models of diamond knives from the following manufacturers:

Accutome / MST	Diamatrix	MSI
Ambler	Katena	Rhein
ASICO	Mastel	Storz® Ophthalmics by Bausch & Lomb

Old or damaged blades can be repaired and blades can be repaired, sharpened, and re-honed as needed.

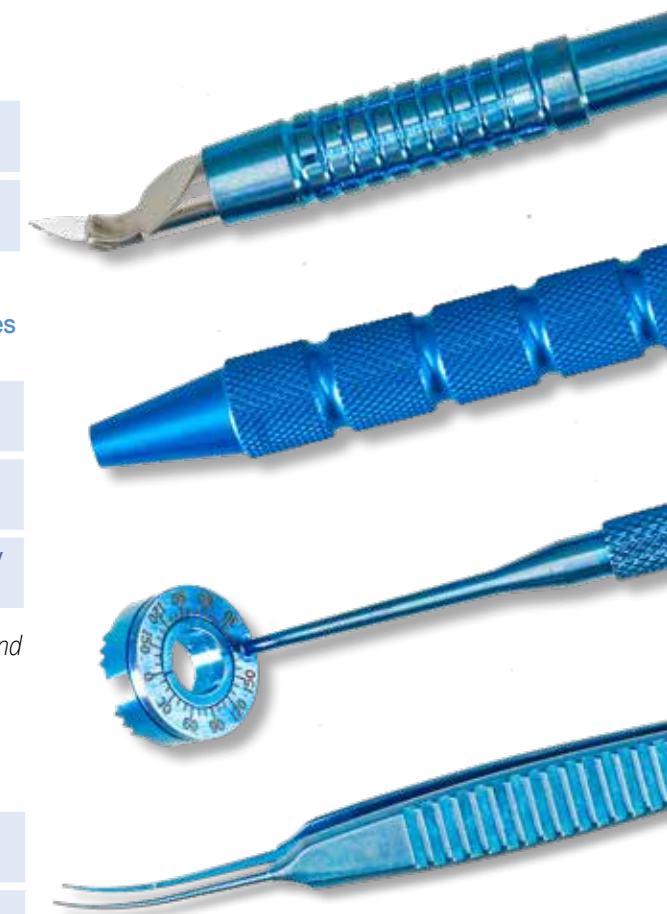
Repair available for forceps, scissors, cannulas, and IOL handpieces from the following manufacturers:

ASICO	Katena	Mastel
Ambler	Storz® Ophthalmics by Bausch & Lomb	MSI

For additional information call 1.800.783.9251 or visit [steris-ims.com](http://steris-ims.com).



STERIS IMS is ISO 13485:2016 certified.





# Stryker® Power Systems

Instrument system restoration and repair

## Large Bone Systems\*

- Stryker® System 8, 7, 6 – handpieces & attachments
- Stryker® System 5, 4 – handpieces, attachments, batteries

## Small Bone Systems\*

- RemB®
- Tps™
- CORE™
- Maestro®
- Stryker Πdrive

## Shaver Systems\*

- Formula®
- 12K

\* All mechanical and electrical replacement parts meet the OEM standards.

## Pricing Options

- Time & Materials
- Flat Rate: 23% average savings over OEM
- Stryker System 4/5 Rapid Replace: receive replacement the next day
- Capitation Program: multi-year options with locked in pricing

## Additional Services

Before you replace, call American Surgical.

- Helmets, batteries, TPS cables, attachments  
-Don't discard these items. We can repair them.



A power repair in progress



# Ultrasound Probes

## Repair and Exchange Program

Ultrasound probes provide diagnostic images for visualizing internal body structures. The surgical team needs their ultrasound images to be clear both to perform diagnosis and to guide therapeutic procedures. American Surgical provides comprehensive repair capabilities and exchange options to increase uptime and availability of these critical diagnostic devices.



American Surgical offers an ultrasound probe exchange program for more than 100 probes from different manufacturers. In addition to exchanges, we have repair capabilities on more than 1,000 ultrasound probe models.

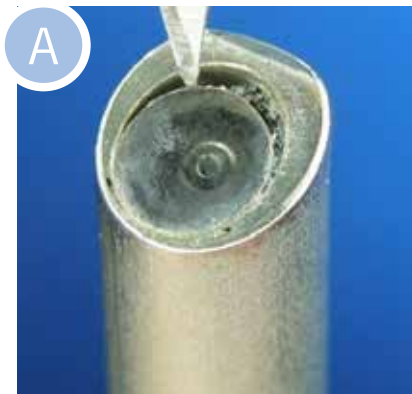
► Repairs and exchanges include models from the following manufacturers:

- Acuson / Siemens
- Philips
- General Electric
- FujiFilm/Sonosite
- Hitachi Aloka
- And many, many more (contact your representative to see if your probe is on the list)
- Medison / Samsung
- Toshiba
- Hewlett Packard
- B&K Medical

# THINGS TO WATCH OUT FOR: SURGICAL DEVICES

Improper care & handling practices; inadequate quality control between procedures; not following the OEM IFU's on correct cleaning & sterilization processes... These can all lead to poor performance of the device, frustrated surgeons, and compromised patient safety.

## HERE ARE SOME EXAMPLES:



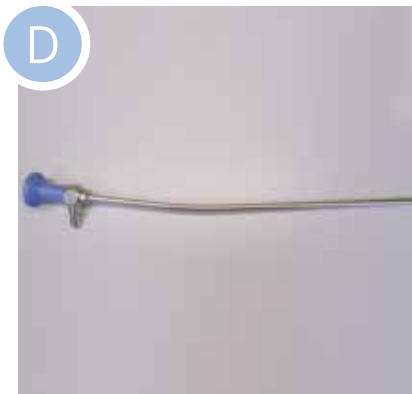
Rigid Scope - gap in distal window - can hold debris



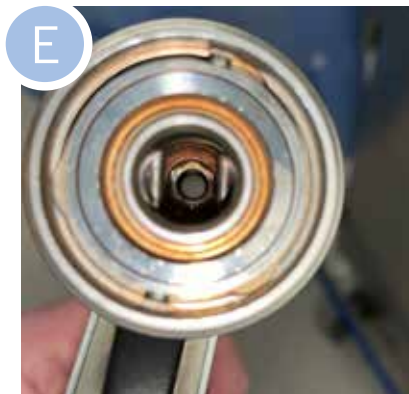
Camera - electrical connector is physically damaged



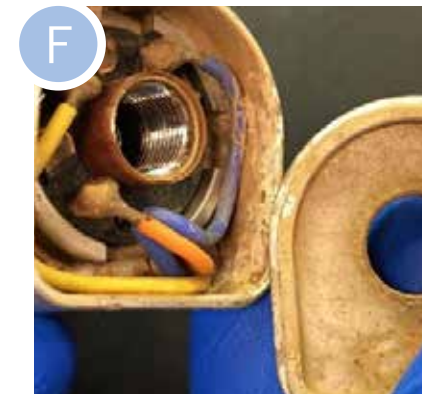
Camera - cable is kinked and melted



Rigid Scope - bent shaft



Power Drill - rust on the outside



Power Drill - interior is corroded

## TOP 5 PREVENTABLE OBSERVATIONS

### RIGID SCOPE

1. Tubing is bent
2. Light fibers are physically damaged at distal end
3. Optical relay components are physically damaged
4. Objective is physically damaged
5. Left optical relay is misaligned

### CAMERA

1. Cable is physically damaged
2. Image is misaligned
3. Window has coating damage
4. Cable boot is physically damaged
5. Electrical connector housing is physically damaged

### POWER DRILL

1. Motor windings overheated
2. Interior is corroded
3. Cable is physically damaged
4. Interior fluid invasion
5. Motor controller overheated

## SURGICAL DEVICES

# HERE'S HOW WE CAN HELP

## CAUSE, EFFECT & PREVENTION

A

**RIGID SCOPE - GAP IN DISTAL WINDOW - CAUSE:** Improper use of cleaning chemicals and sterilization. **EFFECT:** Can hold and trap debris/bioburden and lead to cross contamination or patient safety incident. **PREVENTION:** Use of proper cleaning and sterilization in accordance with OEM's IFUs. Implement a quality inspection process prior to sterilization. Always follow OEM's IFUs.

B

**CAMERA - ELECTRICAL CONNECTOR IS PHYSICALLY DAMAGED - CAUSE:** Soak cap was not applied prior to transportation. **EFFECT:** Housing is cracked and can lead to video interference and/or malfunction during surgery. **PREVENTION:** Apply soak cap when camera is not in use. Implement a quality inspection process prior to sterilization. Always follow OEM's IFUs.

C

**CAMERA - CABLE IS KINKED AND MELTED - CAUSE:** Improper coiling of cable and exposure to high amounts of heat to a non-autoclavable camera. **EFFECT:** Can lead to video interference and/or malfunction during surgery. **PREVENTION:** Coil cable using the over/under coiling technique. Do not steam sterilize a non-autoclavable camera. Implement a quality inspection process prior to sterilization. Always follow OEM's IFUs.

D

**RIGID SCOPE - BENT SHAFT - CAUSE:** Heavy instruments and/or tray placed on scope. **EFFECT:** Can lead to broken rod lenses and effect image quality/clarity during surgery. **PREVENTION:** Scopes should be isolated and immobilized to prevent impact/contact with other instruments. Implement a quality inspection process prior to sterilization. Always follow OEM's IFUs.

E&F

**POWER DRILL - RUST/CORROSION - CAUSE:** Immersing and/or soaking power drill in liquid. **EFFECT:** Rust and corrosion will lead to device failure during surgery. **PREVENTION:** Do not immerse or soak equipment in liquid. Implement a quality inspection process prior to sterilization. Always follow OEM's IFUs.

**ALWAYS FOLLOW MANUFACTURER'S INSTRUCTIONS FOR USE.  
WE RECOMMEND THIS FOR ALL SCOPES, CAMERAS, POWER EQUIPMENT AND ALL OTHER DEVICES.**



# Large Diameter Flexible Endoscope



## Capabilities

American Surgical offers full capability repair and service for all of your large and small diameter flexible endoscopes, including HD.

### OLYMPUS® ENDOSCOPES SERVICED

Common Models	100	130	140	160	180	190
Gastrosopes	•	•	•	•	•	•
Colonoscopes	•	•	•	•	•	•
Duodenoscopes	•	•	•	•	•	

Bronchoscopes	Duodenoscopes	Nasalaryngoscopes
Choledochoscopes	Gastrosopes	Rhinolaryngoscopes
Colonoscopes	Intubation Scopes	Ureteroscopes
Cystoscopes	Laryngoscopes	



FedEx is a registered trademark of Federal Express Corporation.

Are you struggling to maintain consistency with your flexible endoscopy operations and to comply with the latest regulatory standards and IFU's?

American Surgical can provide a turnkey solution for your Flexible Endoscopy operations, to include equipment, staffing, leadership, education, process improvement, and regulatory compliance. Our goal is to ensure your processes are standardized among all locations performing Flexible Endoscopy, to help ensure quality and positive outcomes.

Olympus is a registered trademark of Olympus Corporation.  
Pentax is a registered trademark of Hoya Corporation.



## PROGRAMS TO MEET YOUR NEEDS

FLEXIBLE SERVICE PROGRAM	TIME AND MATERIALS	ENDO BASIC	ENDO ADVANTAGE	80/120 CAPITATION	STRAIGHT CAPITATION
<b>BASIC PROGRAMS</b>					
CAP Amount on Service and Repair					•
CAP Rebate				•	
OEM (Original Equipment Manufacturer) CCD and Overhaul Coverage			•	•	•
Loaners	•	•	•	•	•
Peace of Mind Guarantee*		•	•	•	•
6-Month Damage Protection			Pentax		
12-Month Damage Protection			Olympus		
FedEx® Standard Overnight Shipping Included				•	•
<b>AMERICAN SURGICAL REPORTS, TRACKING, and SUPPORT</b>					
Live Account Manager Technical Support (M-F 8AM-5PM CST)	•	•	•	•	•
Real-time Repair Histories	•	•	•	•	•
Real-time Equipment Activity	•	•	•	•	•
Up-to-date Account Activity	•	•	•	•	•
FedEx® Shipment Tracking for Returning Equipment	•	•	•	•	•
<b>EDUCATION AND VALIDATIONS</b>					
Online Independent Study Programs	•	•	•	•	•
E-learning at STERIS University	•	•	•	•	•
On-site Inservice and Competency, GI Dept Validations, and Flexible Inventory Preventative Maintenance Inspections	•	•	•	•	•
<b>OTHER PROGRAMS AND SERVICES</b>					
Quarterly Business Review with Observation Codes	•	•	•	•	•





# Small Diameter Flexible Endoscope

We provide baseline needs discovery to identify device-related areas and processes that can be made more systematic and efficient.

Small diameter flexible endoscopes are delicate. A good care & handling program can help avoid costly, major damage to these scopes.



## SMALL DIAMETER ENDOSCOPE CAPABILITIES

Cysto/Urology				Pulmonary	
CYSTOSCOPES SERVICED		URETEROSCOPES SERVICED		BRONCHOCOPES SERVICED	
<b>Gyrus ACMI</b>	ACN-2 ACN-2BA ACN-BA ACN-2T APN-5	<b>Gyrus ACMI</b>	DUR®-8 DUR-8E DUR-8U DUR-D	<b>Olympus</b>	Fiber 10, 20, 30, 40 and 60 series including BF-N20  Video 200, 240, 160, 180 series  190 Series  EBUS Scopes
<b>Karl Storz</b>	11277A 11272VN 11277AU 11272VNU 11272CU1 11272C1 11272C2	<b>Karl Storz</b>	11278U1 11278A1 11278A2, 11278ACU1 11278VSUE, 11278VSUA 11278VUA, 11278VSE 11278VA 11278VU	<b>Karl Storz</b>	11001BN1 11003BC3 11002BD1
<b>Pentax Medical</b>	FCY-15P2	<b>Olympus</b>	URF®-P URF-P2 URF-P3 URF-P5 URF-P6 URF-P6R URF-P7 URF-P7R URF-V URF-V2 URF-V2R URF-V3 URF-V3R		
<b>Olympus</b>	CYF® CYF-2 CYF-3 CYF-4 CYF-4A CYF-5 CYF-5A CYF-V CYF-V2 CYF-VA CYF-VA2 CYF-VH CYF-VHR	<b>Richard Wolf</b>	7355-071 7325-071 7326-071 7326-076		

Anesthesia				Ear, Nose and Throat			Other Capabilities	
LARYNGOSCOPES (INTUBATION SCOPES) SERVICED				RHINOLARNGOSCOPES SERVICED			CHOLEDOCHOSCOPES SERVICED	
<b>Olympus</b>	LF-1 LF-DP LF-TP LF-T	LF-2 LF-GP LF-V LF-P	MAF-TM MAF-GM	<b>Olympus</b>	ENF®-P2 ENF-P4 ENF-V/V2/V3 ENF-VT2	ENF-P3 ENF-GP ENF-VH ENF-VQ	<b>Olympus</b>	CHF-P10 CHF-CB20 CHF-P20 CHF-P20Q CHF-CB30L CHF-CB30S CHF-P60
<b>Pentax Medical</b>	FI-10P3 FI-10P2 FI-10P			<b>Karl Storz</b>	11101RP1 11101SK1 11101RP2 11101SK2 1101VN 11101VNS		<b>Pentax Medical</b>	FCN-15X
<b>Karl Storz</b>	11302BD2 11301AB1 11301BND1 11302BDX	11301BN1 11302BDD2 11301BNX 11101VNS		<b>NASALARYNGOSCOPES SERVICED</b>			<b>Karl Storz</b>	11292ADU1 11292AD1
			<b>Pentax</b>	FNL-10P2 FNL-10RP3				



# Olympus® Endoscopic Ultrasound Scopes (EUS/EBUS)

## FEATURES

All EUS/EBUS scope repairs include physical and mechanical inspection plus evaluation, testing and verification of the ultrasound image. Acoustic properties of our Test Standards are certified by instrumentation traceable to the National Institute of Standards and Technology (NIST).

### Ultrasound Functional Testing Includes:

- ▶ Dead zone measurement
- ▶ Vertical and horizontal distance measurement
- ▶ Depth/sensitivity measurement
- ▶ Resolution

OLYMPUS® SCOPE MODELS CURRENTLY SUPPORTED

- BF-UC180F
- GF-UCT-180
- BF-UC160F-0L8
- GF-UC160P-0L5
- GF-UCT160-0L5
- GF-UE160-AL5
- GF-UC140P-AL5
- GF-UCT140-AL5

## 3 LEVEL SERVICE PROGRAM

LEVEL I	LEVEL II	LEVEL III
<ul style="list-style-type: none"> <li>• Ultrasound functional testing</li> <li>• Ultrasound back cover reseating</li> <li>• Switches repaired</li> <li>• Angulation adjustment</li> <li>• Re-round insertion tube/light guide tube</li> <li>• Clean and re-mask</li> <li>• Seal control body</li> <li>• Reseal/polish objective</li> <li>• Replacement of:                             <ul style="list-style-type: none"> <li>- Air/water nozzle</li> <li>- Bending rubber</li> <li>- Angulation wire stopper</li> <li>- Ultrasound oil replacement (applicable models)</li> </ul> </li> </ul> <p><i>Level I includes 90-day warranty</i></p>	<ul style="list-style-type: none"> <li>• Ultrasound functional testing</li> <li>• Replacement of:                             <ul style="list-style-type: none"> <li>- Ultrasound balloon channel</li> <li>- Biopsy channel</li> <li>- Light guide bundle</li> <li>- Air/water channel</li> <li>- Suction channel</li> <li>- Bending section mesh</li> </ul> </li> <li>• Replace/repair:                             <ul style="list-style-type: none"> <li>- Air/water suction cylinder</li> <li>- Angle control knobs</li> </ul> </li> <li>• Adjust elevator movements</li> <li>• Ultrasound FS cover reseating</li> <li>• Elevator system repaired/rebuild</li> </ul>	<ul style="list-style-type: none"> <li>• Ultrasound functional testing</li> <li>• Replacement of:                             <ul style="list-style-type: none"> <li>- Ultrasound universal cord</li> <li>- Ultrasound PC board</li> <li>- Ultrasound connector unit</li> <li>- Insertion tube</li> <li>- Bending section</li> <li>- Image guide</li> <li>- Light guide tube</li> <li>- Angulation system rebuild</li> </ul> </li> <li>• CCD repair</li> </ul>



# TEE Probes

## Repair and Exchange Program

A transesophageal echocardiogram (TEE) probe is an essential monitoring tool used during many cardiac surgical procedures. It allows observation of structures that are difficult to view transthoracically. The surgical team needs clear TEE probe images to achieve desirable patient outcomes.

American Surgical provides a comprehensive program to increase up-time and availability of these critical diagnostic devices.

- ▶ Upon availability, American Surgical offers TEE probe exchanges and loaners.
- ▶ Repair capabilities include models from the following manufacturers:
  - General Electric
  - Acuson / Siemens
  - Philips / ATL
  - SonoSite Toshiba

*American Surgical can provide repairs on the latest Philips® X8-2T 3D/4D transducer.*

# VerifEye®

CONTACT YOUR  
AMERICAN  
SURGICAL ACCOUNT  
MANAGER FOR A  
DEMONSTRATION  
TODAY.



# VerifEye® Borescope

The VerifEye® Video Borescope can be your eyes on the inside for any instrument or device with a channel. You can see previously undetectable problems before the next procedure and stay current with AAMI recommended practices.

### ESSENTIAL FOR OPERATION

VerifEye® Video Borescope Inspection Unit  
PR.VEYE101-101

### SERVICE

VerifEye® Video Borescope Inspection  
Unit Repair/Exchange PR.VEYE101-102

### MOUNTING SOLUTIONS

VerifEye® Counter Top Stand  
with CCU, Inspection Unit,  
and Monitor Mount  
PR.VEYE101-110

VerifEye® Wall Mount with  
CCU, Inspection Unit, and  
Monitor Mount  
PR.VEYE101-115

### CAMERA

VerifEye® Video Borescope Camera  
Control Unit (CCU) (Essential for  
operation) PR.VEYE101-103



### DISPLAY SOLUTIONS

VerifEye® 11.6 inch LED HD Display  
Monitor PR.VEYE101-106

VerifEye® Touchscreen Tablet with Live  
Viewing and Image Capture Software  
PR.VEYE101-105



VerifEye® Tablet Bracket  
Assembly (for use with  
stand or wall mount)  
PR.VEYE101-111



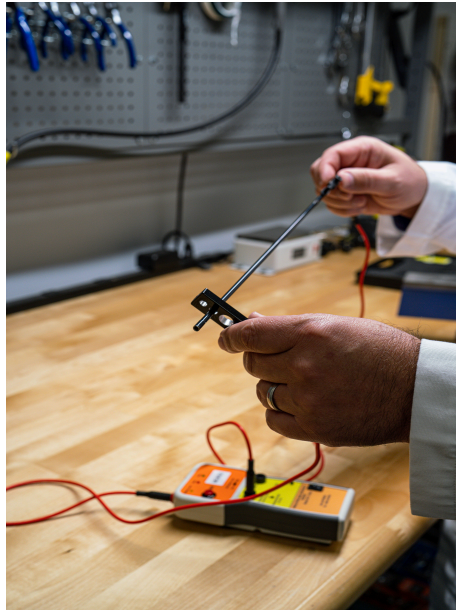
Inspection Unit Camera  
Mount for Tabletop  
with Spring Loaded  
Clamp (2 Pack)  
PR.VEYE101-108



Inspection Unit Camera  
Mount for Tabletop Multi  
Mount With Screw Clamp  
PR.VEYE101-109



# ON-LOCATION PROGRAMS DELIVER



## TRAY PLANNER

Proactive asset management is possible through our web-based tracking system

Ensuring the quality of your surgical equipment should not require excessive downtime. OnLocation<sup>SM</sup> Services from American Surgical can bring highly-trained technicians to your facility to restore instrument sets to peak performance.

### INSTRUMENT REPAIR SERVICES INCLUDE:

- ▶ **OnLocation<sup>SM</sup> Repair Services**  
Comprehensive repair and restoration service for all manual instrumentation, across service specialties including stainless, laparoscopic, and microscopic.
- ▶ **InHouse Repair Labs**  
Dedicated, full-time, highly-trained technician(s) within your facility, maximizes throughput and streamlines communication. These efficiencies create time for hands-on labs and education. Long and short term engagements are available.
- ▶ **Rapid Response Repair Team**  
Facilities with urgent or large-scale instrument needs can receive instrument repair service on location with our dedicated team of traveling technicians.
- ▶ **Case Cart and Rolling Stock Repair**  
Alternative equipment maintenance for case carts and rolling stock is available on location, which helps ensure your sets get to and from the procedure smoothly.
- ▶ **Positioning Device and Retractor System Repair**  
Position your procedure for success.



## HAVING TROUBLE KEEPING YOUR LID ON?

- Do your container lids seal properly?
- Are your labels cracking and leaving adhesive behind?
- Do you need the dents removed from your containers?
- Are you losing grip of your containers because the rubber is falling off the handles?

**AMERICAN SURGICAL CAN HELP LIGHTEN THE LOAD WITH CONTAINER REPAIR FROM ONLOCATION<sup>SM</sup> REPAIR SERVICES.**

*We offer solutions that maximize the readiness of your instruments and equipment.*

Genesis is a registered trademark of CareFusion Corporation.

WE OFFER FULL-CAPABILITY STERILIZATION CONTAINER RESTORATION. FEATURES INCLUDE:

- ▶ OEM replacement parts including latches and gaskets, etc. for Genesis<sup>®</sup> containers (Certified Genesis repair vendor)
- ▶ Dent and tape removal
- ▶ On-location or lab-based repair
- ▶ Quick turnaround time, often same day service



# IS YOUR ROLLING STOCK PROCEDURE READY?

- ▶ Rolling stock units out of service?
- ▶ Procedures delayed because of lack of carts?
- ▶ OSHA and other regulatory organizations knocking at your door?
- ▶ Loud, rattling carts impacting your patient experience scores?

## AMERICAN SURGICAL HAS THE REPAIR AND REPLACEMENT SOLUTIONS TO FIT YOUR FACILITY'S NEEDS, INCLUDING:

- ▶ On-location maintenance programs to help keep your rolling stock procedure ready
- ▶ Inventory inspections at no charge to ensure safe and proper functionality
- ▶ A full portfolio of high-quality, stainless steel medical equipment



## RUST & BIOBURDEN REGULATORY CITATION



Melted caster



Dirty cart with tape



Rusty caster



Poor weld



Corroded caster



Broken IV stand lock

STERIS IMS is committed to providing solutions to keep your SPD and OR rolling with service or replacement for: IV poles, mayo stands, and kick buckets.

# CASE CART REPAIR

American Surgical can assist in preparing for regulatory audits and other inspections by helping you maintain the rolling stock in your facility. Our program includes the necessary documentation to help your facility comply with regulatory requirements while maximizing your equipment investment.

### SERVICES OFFERED:

- Proactive maintenance
- Inventory management

### BENEFITS INCLUDE:

- Automatically scheduled routine maintenance
- Easily accessible service history through MyAccount software

### THIS PROGRAM CHECKS FOR:

- Damage to wheels, casters, handles, and bumpers
- Broken or missing parts
- Damaged welds
- Foreign objects in the wheels

### CASE CART, TRANSPORT CART, AND STERILIZER CART REPAIR SERVICES INCLUDE:

- Aligning hinges and adjusting doors or installing new door hinges and latches
- Inspecting, cleaning, lubricating, and replacement of locking mechanism for casters
- Lubricating and re-welding of latches, hinges, and casters
- Welding of shelf racks and bars
- Bumper replacement
- Attaching clean/dirty indicators to existing inventory to adhere to regulatory guidelines

A preventive maintenance program will help minimize the severity of necessary repairs and can reduce future repair costs. Contact us today to learn more.

### CLEAN/DIRTY INDICATORS

Visible indicators communicate the status of a case cart's contents. Clean/Dirty indicators are now a regulatory requirement. American Surgical has solution options to help achieve compliance.



### OTHER EQUIPMENT REPAIRS INCLUDE:

- ▼
- IV Poles
- Mayo Stands
- Shelving
- Stainless Steel Tables
- Any stainless steel equipment with latches, hinges and casters
- We can clean, lubricate or replace casters, as well as perform tack/spot or extensive welds.*

### CMS GUIDELINE 482.41(C)(2) FACILITIES, SUPPLIES, EQUIPMENT MAINTENANCE

You are expected to maintain equipment inventories and documentation of maintenance activities.





## DOES THIS SCENE LOOK FAMILIAR?

Is your staff constantly searching for instruments to complete tray sets? American Surgical staff can provide immediate replacement of common patterns so your staff can focus on the patient.

### I-XCHANGE® INSTRUMENT REPLACEMENT

#### FEATURES INCLUDE:

- ▶ Dedicated On-location Repair Lab Inventory
- ▶ Reduces time spent searching for replacement instruments deemed life-worn or non-repairable during tray assembly
- ▶ Simplifies instrument reorder process
- ▶ We are the official repair vendor for V. Mueller® instruments
- ▶ V. Mueller Heritage and Affinity instruments are included in this program

#### WE STOCK

#### V. Mueller® Instruments

Common patterns include a variety of:

- Clamps / Forceps
- Osteotomes
- Needleholders
- Laparoscopic instruments
- Scissors
- Pin cutters & more

## I-XCHANGE® INSTRUMENT REPLACEMENT



### SCISSORS

KAYE SNOWDEN PENCER DIAMOND SEREDGE SCISSORS - CURVED
KNAPP IRIS SCISSORS STR SHARP/SHARP 4" IN
KNAPP IRIS SCISSORS CVD SHARP/SHARP 4" IN
MAYO DISSECTING SCISSORS STR 5-3/4" IN
MAYO DISSECTING SCISSORS STR 6-3/4" IN
MAYO DISSECTING SCISSORS CVD 6-3/4" IN
MAYO T/C DISSECT SCISSOR BEVEL BLADE STR
MAYO VITAL DISSECTING SCISSORS CVD 6-3/4" IN
SCISSORS BANDAGE LISTER OVER LGTH 7-1/4" IN
METZENBAUM DISSECT SCISSOR CVD BL/BL 7" IN
METZENBAUM SUPER CUT CVD SCISSORS 9" IN
SNOWDEN PENCER DIAMOND SEREDGE SCISSORS - CURVED
SNOWDEN PENCER DIAMOND SEREDGE SCISSORS - STRAIGHT
SUPER CUT MAYO DISSECT SCISSORS STR 9" IN



### PIN CUTTERS

MARTIN DIAMOND WIRE CUTTER 6-1/2" IN
PIN CUTTER 5.75" CARBIDE JAWS UP TO 5/64" IN
SIDE WIRE/PIN CUTTER TC D/A ANG JAWS 8.1/2"
SIDE WIRE/PIN CUTTER TC SIDE CUT 7"
VITAL WIRE CUTTER SIDE CUTTING 9" IN



### LAPAROSCOPIC

L HOOK ELECTRODE 5MM 33 CM LONG INSERT
J HOOK ELECTRODE 5MM 32 CM NON-TAKE APART

### CLAMPS / FORCEPS

ADSON FORCEPS 1X2 TEETH SERR DEL 4-3/4" IN
ADSON MICRO FORCEPS SERR DEL JAW 4-3/4" IN
BACKHAUS TOWEL FORCEPS 3-1/2" IN
BACKHAUS TOWEL FORCEPS 5-1/4" IN
CRILE ARTERY FORCEPS 5-1/2" IN STR
CRILE ARTERY FORCEPS 5-1/2" IN CVD
DRESSING FORCEPS SERR OVER LGTH 5-1/2" IN
TISSUE FORCEPS 1X2 TEETH OVER LGTH 5-3/4" IN



### OSTEOTOMES

LAMBOTTE OSTEOTOME STR 1/2" IN W-LGTH 13 MM
LAMBOTTE OSTEOTOME STR 1" IN W 25 MM W 9" IN
LAMBOTTE OSTEOTOME CVD 1" IN W 25 MM W 9" IN
LAMBOTTE OSTEOTOME CVD 1/2" IN (13MM) 9" IN
LAMBOTTE OSTEOTOME CVD 1-1/2" IN (38 MM) 9" IN
LAMBOTTE OSTEOTOME CVD 1-1/4" IN (32MM) .9" IN
LAMBOTTE OSTEOTOME 9" CVD 1"
LAMBOTTE OSTEOTOME STR 1-1/4" IN (32 MM) 9" IN
LAMBOTTE OSTEOTOME 9" CVD 1/4"

**IF YOU DON'T SEE THE ITEM  
THAT YOU ARE LOOKING FOR,  
CONTACT YOUR  
ACCOUNT MANAGER OR  
REPAIR CONSULTANT FOR  
MORE INFORMATION.**

OUR REPAIR SERVICES ARE SOME-FIN



American Surgical offers Preventive Maintenance programs for positioning devices, including Yellofins® stirrups.

**CAPABILITIES INCLUDE:**






- ▶ Hydraulics repair
- ▶ Replacement or repair of ball joints, threads, and parts
- ▶ Cleaning of boots
- ▶ Sewing up broken stitches
- ▶ Pad replacements available for most models

CONTACT YOUR AMERICAN SURGICAL REPRESENTATIVE TO SCHEDULE YOUR NO-COST PREVENTIVE MAINTENANCE INSPECTION TODAY.

Yellofins is a registered trademark of Allen Medical Systems, Inc.



**IDENTIFY ISSUES BEFORE THEY CREATE PROBLEMS...**

 Broken clip on original cylinder	 Cylinder sheath missing/broken
 Seams coming apart	 Release handle malfunction
 Screws loose allowing movement	 Handle broken or missing

ARE YOU KNEE DEEP IN PROCEDURES?

**IDENTIFY ISSUES BEFORE THEY CREATE PROBLEMS...**

 Positioning lamp handle will not tighten	 Repair table clamp will not lock
 Positioner clamp has movement when locked	 Clamping posts pull out of unit

Let American Surgical help keep your positioning equipment procedure ready. Our Preventive Maintenance programs include DeMayo Knee Positioner® support units.

**COMMON REPAIRS INCLUDE:**

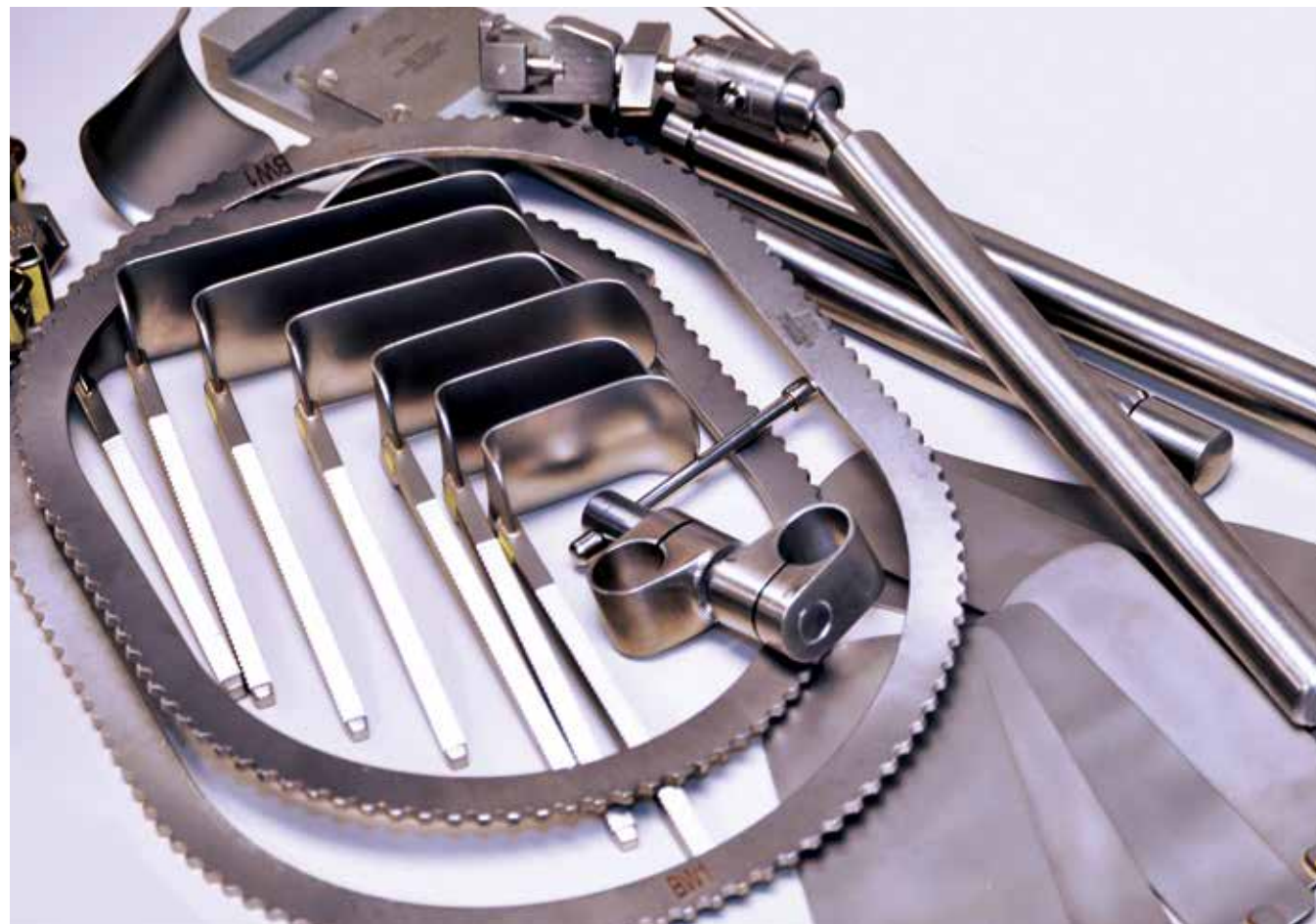
- ▶ Reshape boot
- ▶ Replace aluminum ball on boot
- ▶ Repair/rebuild table clamp
- ▶ Replace parts including knobs, screws, positioner clamp handle, gear assembly, and plastic slides
- ▶ Repair threads
- ▶ American Surgical can repair most positioning devices



CONTACT YOUR AMERICAN SURGICAL REPRESENTATIVE TO SCHEDULE YOUR NO-COST, PREVENTIVE

DeMayo Knee Positioner is a registered trademark of Innovative Medical Products, Inc.





## BOOKWALTER™-STYLE RETRACTOR SET REPAIR

Stay procedure ready. Don't wait until a problem occurs to send in your retractor set for restoration. Control your budget by sending the whole set for repair versus sending the pieces intermittently. **Guaranteed three-day turn time.**

Monday	Tuesday	Wednesday	Thursday
Sets shipped to STERIS IMS	Lab receives sets, repairs begin	Repairs completed, shipped back to facility	Customer receives sets, ready for surgery!

**Guaranteed 3-day turn time.**

### STANDARD BOOKWALTER-STYLE RETRACTOR SYSTEMS:

(26 PIECES AS LISTED PER SET)

- Table post (1)
- Tilt ratchets (6)
- Horizontal bar (1)
- Flat ratchets (2)
- Post coupling (1)
- Segmented ring (1)
- Oval ring (1)
- Horizontal flexbar (1)
- Blades (12)

### UNIVERSAL BOOKWALTER-STYLE RETRACTOR SYSTEMS:

(35 PIECES AS LISTED PER SET)

- Table post (1)
- Oval ring (2)
- Flat ratchets (2)
- Extension bar (1)
- Horizontal bar (1)
- Blades (17)
- Segmented rings (1)
- Post coupling (2)
- Tilt ratchets (7)
- Horizontal flex bar (1)

Flat rate price includes scheduled pick-up/delivery where applicable. Schedule this service with your representative today. Pieces not included in these lists or extra pieces will be quoted separately.

Bookwalter is a registered trademark of Johnson & Johnson Corporation.

## YOU CAN REST EASY...

WITH MAYFIELD HEADREST REPAIRS FROM AMERICAN SURGICAL



American Surgical offers Preventive Maintenance programs for positioning devices, including Mayfield® headrests.

### CAPABILITIES INCLUDE:

- ▶ Re-tap threads
- ▶ Remove burrs and tape
- ▶ Replace rubber lockdown spacer
- ▶ Adjust tension on the ball joint
- ▶ Replace all bushings and include a new Allen wrench for adjustment

Mayfield is a registered trademark of SM USA, Inc.

# Education Café Credentialed Education

Course listings are constantly being updated.



American Surgical offers proactive strategies to help increase the awareness of your equipment maintenance. Education on the cause, effect, and prevention of recurring equipment issues is a key component of this process.

Our continuing education offerings are listed below.

MODULE DESCRIPTION	Credentialed Education Hours				Learning Method
	NURSING	IAHCSMM	CBSPD	ABCGN	
<b>Device Care Series</b>					
Effective Care and Handling of Flexible Endoscopes	1.0	1.0	1.0	1.0	Didactic
Effective Care and Handling of Handheld Power Equipment	1.0	1.0	1.0		Didactic
Effective Care and Handling of Rigid Endoscopes	1.0	1.0	1.0		Didactic

### Inspection Series

Biofilm is Everywhere!	1.0	1.0	1.0	1.0	Didactic
Effective Care and Handling of Instruments	1.0	1.0	1.0		Didactic
Effective Inspection and Care of Positioning Devices		1.0	1.0		Didactic
Effective Inspection and Care of Retractor Systems		1.0	1.0		Didactic
Effective Inspection and Care of Sterilization Containers		1.0	1.0		Didactic
Flexible Endoscope Testing and Inspection Practices <i>(with Workbook)</i>	1.0	1.0	1.0	1.0	Didactic & Self Study
Surgical Instrument Testing & Inspection Practices Workbook		3.0	3.0		Didactic
What Happens When Insulation Doesn't Insulate?	1.0	1.0	1.0		Didactic

**Ask your account manager about our facility based Clinical Leadership Seminars.** At the Ft. Lauderdale Lab, learn more about endoscopes, power and video equipment, process improvements, and device problems in the perioperative setting. At the Birmingham Lab, learn more about flexible endoscopes & towers, and tooling/machining of medical components.

### Facility Seminars

Clinical Leadership Seminar for Surgical Devices	7.0	7.0	6.75		Didactic
Clinical Leadership Seminar for Endoscopy Equipment	7.5	7.5	7.5	1.6	Didactic
Sustainability of Surgical Devices	3.5	3.5	3.5		Didactic
Sustainability of Flexible Endoscopic Devices	3.5	3.5	3.5		Didactic

### Fee Based Certification Preparation Classes

CBSPD SPD Technician Certification Readiness Course	CBSPD approved material, practice quizzes and official textbook will be utilized.	Web Based
CBSPD Flexible Endoscopy Certification Readiness Course		
CBSPD Certified Sterile Processing Department Management Course		
IAHCSMM Certified Registered Central Service Technician Readiness Course	IAHCSMM approved material, practice quizzes and official textbook will be utilized.	Web Based
IAHCSMM Certified Instrument Specialist Readiness Course		

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# Customer Care

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